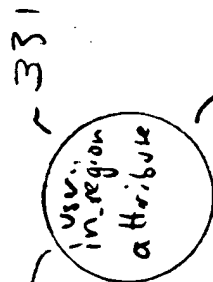
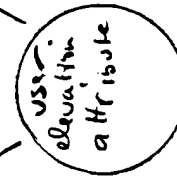
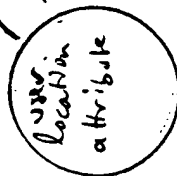
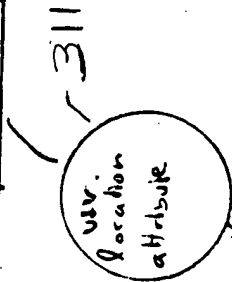
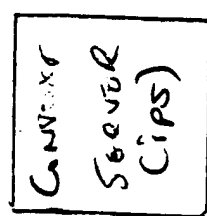
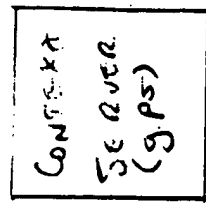


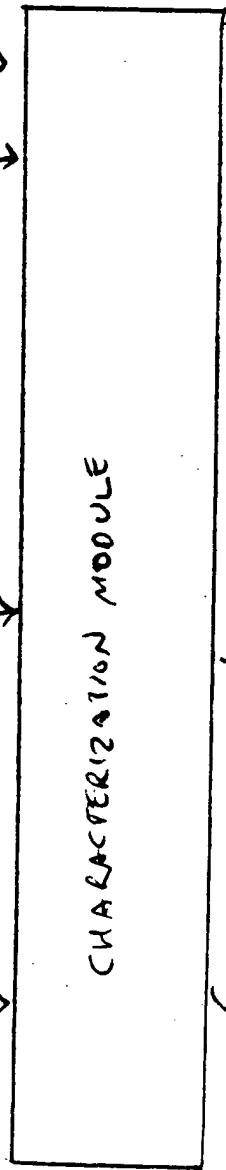
Fig. 2

310

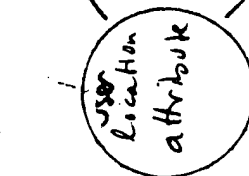
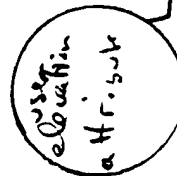
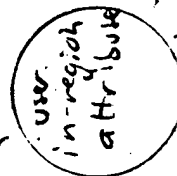
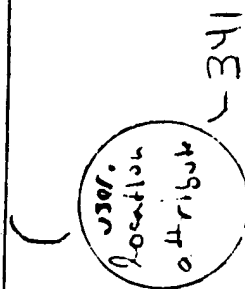
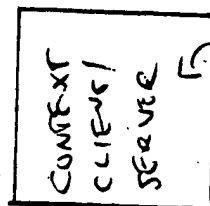
320



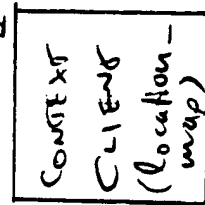
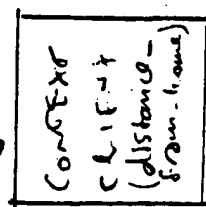
300



330



region -
boundary 511



340

350

FIG-3

405

745

204

FIG 5

500-

212

750.

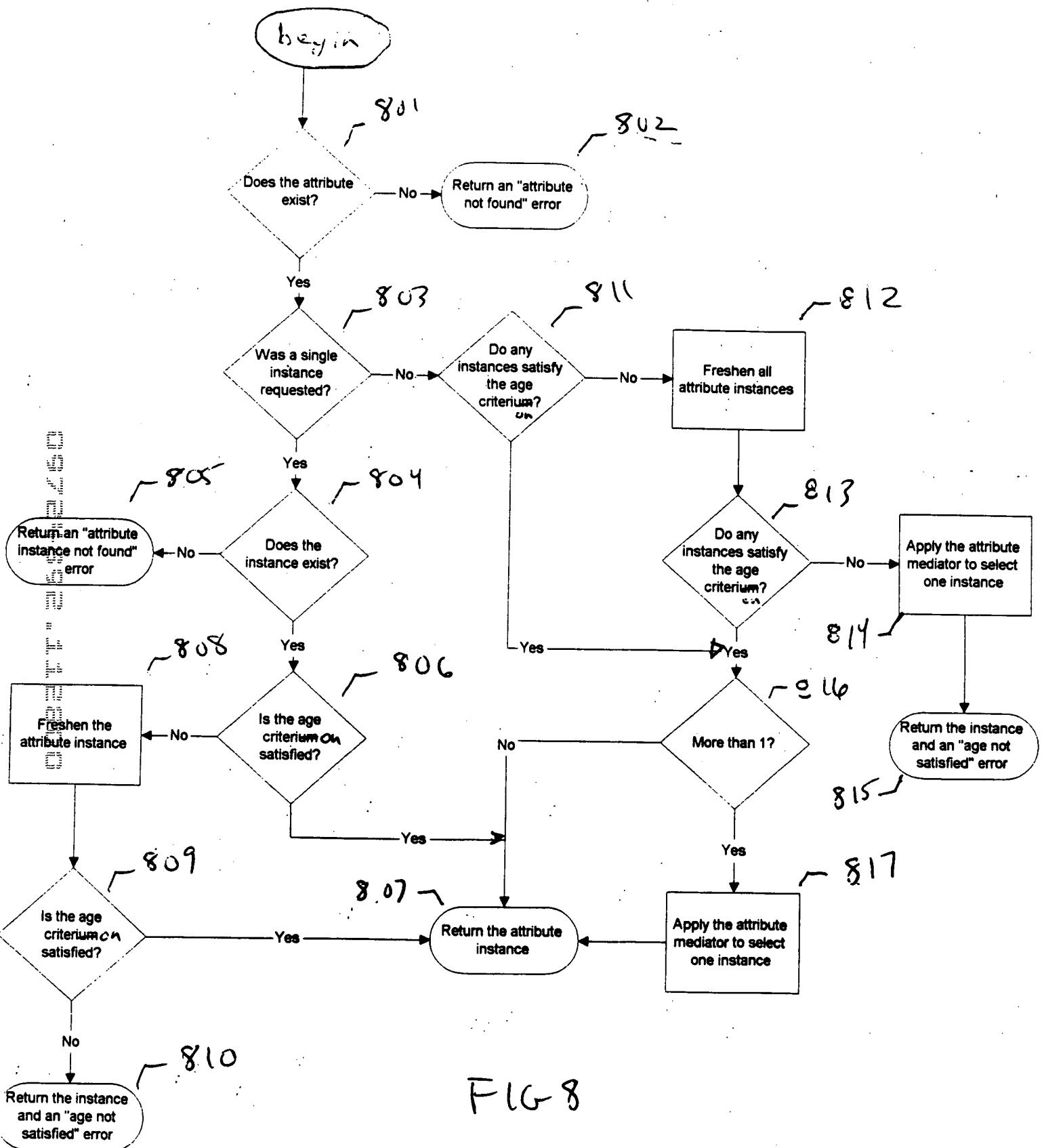


FIG 8

03/15/00 9:18 PM

attribute instance table

attribute name	context server name	value	uncertainty	timestamp	units	number of context clients consuming
user.location	gps	47° 38.73' N, 122° 18.43' W	0° 09'	13:11:04.023 2/22/2000	degrees/minutes	2
user.location	ips	47° 38.745' N, 122° 18.424' W	0° 021'	13:11:01.118 2/22/2000	degrees/minutes	2
user.elevation	ips	22.25	.5	13:11:06.565 2/22/2000	meters	1
user.in region	region analysis	none	none	none	none	1

FIG 9

condition table

condition name	context client name	first logical parameter	second logical parameter	comparison value	logical operator
in region true	region analysis	user.in region	none	TRUE	=

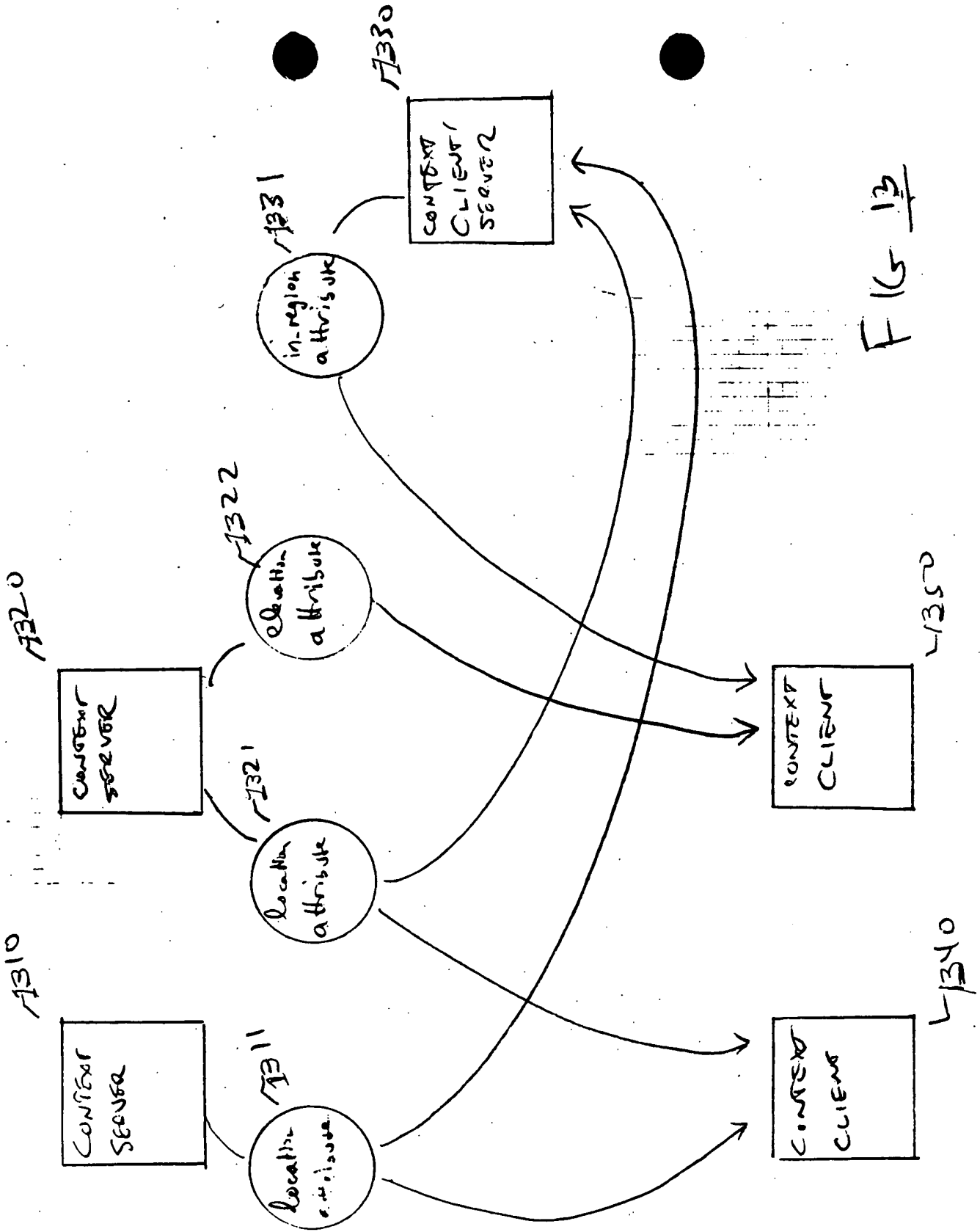
FIG 10

101

811J

2017

81218



1401 ~
1402 ~
1403 ~
1404 ~

attribute name	context client name
user.location	distance_from_home
user.in_region	location_map
user.location [gps]	location_region_analysis
user.elevation	location_map

L 1411

2 1412

The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1.1) as $\epsilon \rightarrow 0$. In the second part, we study the asymptotic behavior of the solutions of the system (1.1) as $\epsilon \rightarrow 0$. In the third part, we study the asymptotic behavior of the solutions of the system (1.1) as $\epsilon \rightarrow 0$.

1. **1. The first** of the two
 2. **2. The second** of the two
 3. **3. The third** of the two
 4. **4. The fourth** of the two
 5. **5. The fifth** of the two
 6. **6. The sixth** of the two
 7. **7. The seventh** of the two
 8. **8. The eighth** of the two
 9. **9. The ninth** of the two
 10. **10. The tenth** of the two
 11. **11. The eleventh** of the two
 12. **12. The twelfth** of the two
 13. **13. The thirteenth** of the two
 14. **14. The fourteenth** of the two
 15. **15. The fifteenth** of the two
 16. **16. The sixteenth** of the two
 17. **17. The seventeenth** of the two
 18. **18. The eighteenth** of the two
 19. **19. The nineteenth** of the two
 20. **20. The twentieth** of the two
 21. **21. The twenty-first** of the two
 22. **22. The twenty-second** of the two
 23. **23. The twenty-third** of the two
 24. **24. The twenty-fourth** of the two
 25. **25. The twenty-fifth** of the two
 26. **26. The twenty-sixth** of the two
 27. **27. The twenty-seventh** of the two
 28. **28. The twenty-eighth** of the two
 29. **29. The twenty-ninth** of the two
 30. **30. The thirtieth** of the two
 31. **31. The thirty-first** of the two
 32. **32. The thirty-second** of the two
 33. **33. The thirty-third** of the two
 34. **34. The thirty-fourth** of the two
 35. **35. The thirty-fifth** of the two
 36. **36. The thirty-sixth** of the two
 37. **37. The thirty-seventh** of the two
 38. **38. The thirty-eighth** of the two
 39. **39. The thirty-ninth** of the two
 40. **40. The fortieth** of the two
 41. **41. The forty-first** of the two
 42. **42. The forty-second** of the two
 43. **43. The forty-third** of the two
 44. **44. The forty-fourth** of the two
 45. **45. The forty-fifth** of the two
 46. **46. The forty-sixth** of the two
 47. **47. The forty-seventh** of the two
 48. **48. The forty-eighth** of the two
 49. **49. The forty-ninth** of the two
 50. **50. The fiftieth** of the two
 51. **51. The fifty-first** of the two
 52. **52. The fifty-second** of the two
 53. **53. The fifty-third** of the two
 54. **54. The fifty-fourth** of the two
 55. **55. The fifty-fifth** of the two
 56. **56. The fifty-sixth** of the two
 57. **57. The fifty-seventh** of the two
 58. **58. The fifty-eighth** of the two
 59. **59. The fifty-ninth** of the two
 60. **60. The sixtieth** of the two
 61. **61. The sixty-first** of the two
 62. **62. The sixty-second** of the two
 63. **63. The sixty-third** of the two
 64. **64. The sixty-fourth** of the two
 65. **65. The sixty-fifth** of the two
 66. **66. The sixty-sixth** of the two
 67. **67. The sixty-seventh** of the two
 68. **68. The sixty-eighth** of the two
 69. **69. The sixty-ninth** of the two
 70. **70. The seventieth** of the two
 71. **71. The seventy-first** of the two
 72. **72. The seventy-second** of the two
 73. **73. The seventy-third** of the two
 74. **74. The seventy-fourth** of the two
 75. **75. The seventy-fifth** of the two
 76. **76. The seventy-sixth** of the two
 77. **77. The seventy-seventh** of the two
 78. **78. The seventy-eighth** of the two
 79. **79. The seventy-ninth** of the two
 80. **80. The eightieth** of the two
 81. **81. The eighty-first** of the two
 82. **82. The eighty-second** of the two
 83. **83. The eighty-third** of the two
 84. **84. The eighty-fourth** of the two
 85. **85. The eighty-fifth** of the two
 86. **86. The eighty-sixth** of the two
 87. **87. The eighty-seventh** of the two
 88. **88. The eighty-eighth** of the two
 89. **89. The eighty-ninth** of the two
 90. **90. The ninetieth** of the two
 91. **91. The ninety-first** of the two
 92. **92. The ninety-second** of the two
 93. **93. The ninety-third** of the two
 94. **94. The ninety-fourth** of the two
 95. **95. The ninety-fifth** of the two
 96. **96. The ninety-sixth** of the two
 97. **97. The ninety-seventh** of the two
 98. **98. The ninety-eighth** of the two
 99. **99. The ninety-ninth** of the two
 100. **100. The hundredth** of the two

Person.<name or ID>. (same as User.)

VI.

Platform. (continued)

Fig. 15

People.

Local.

Place.<place name>. (same as Environment.Local)

Mail.

Phone.

Sound recorder.

**Available
Recording**

Fig. 17

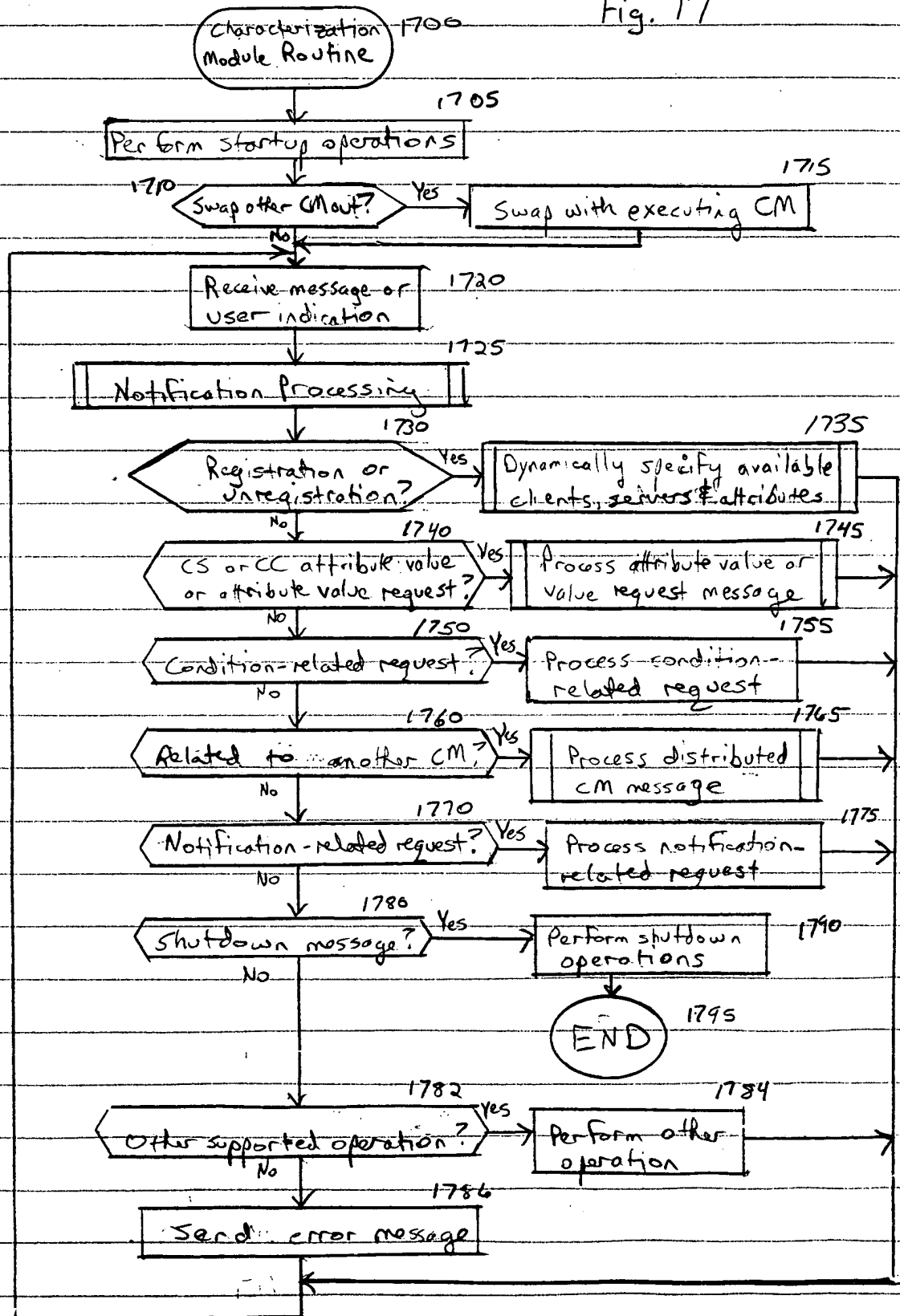


Fig. 18

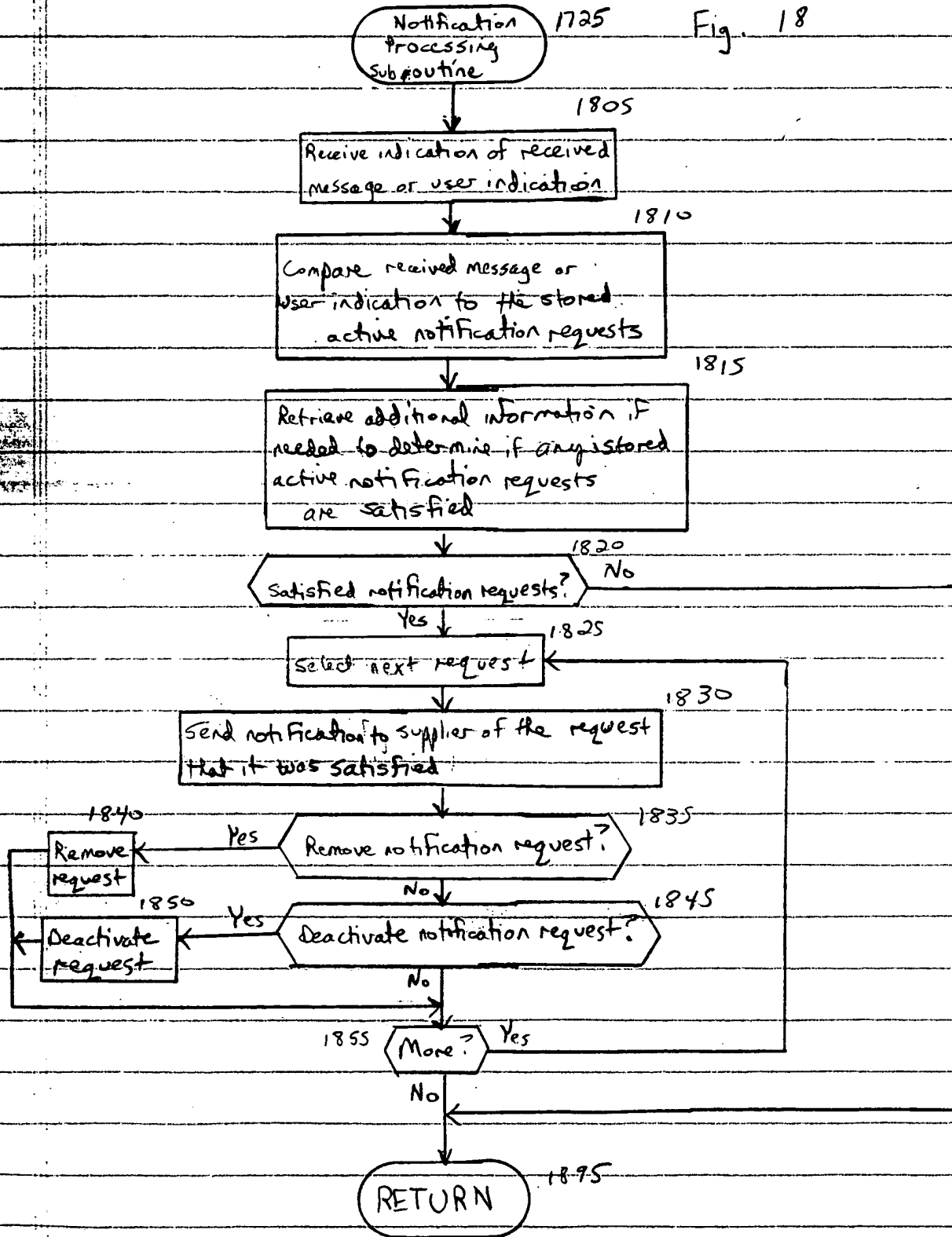
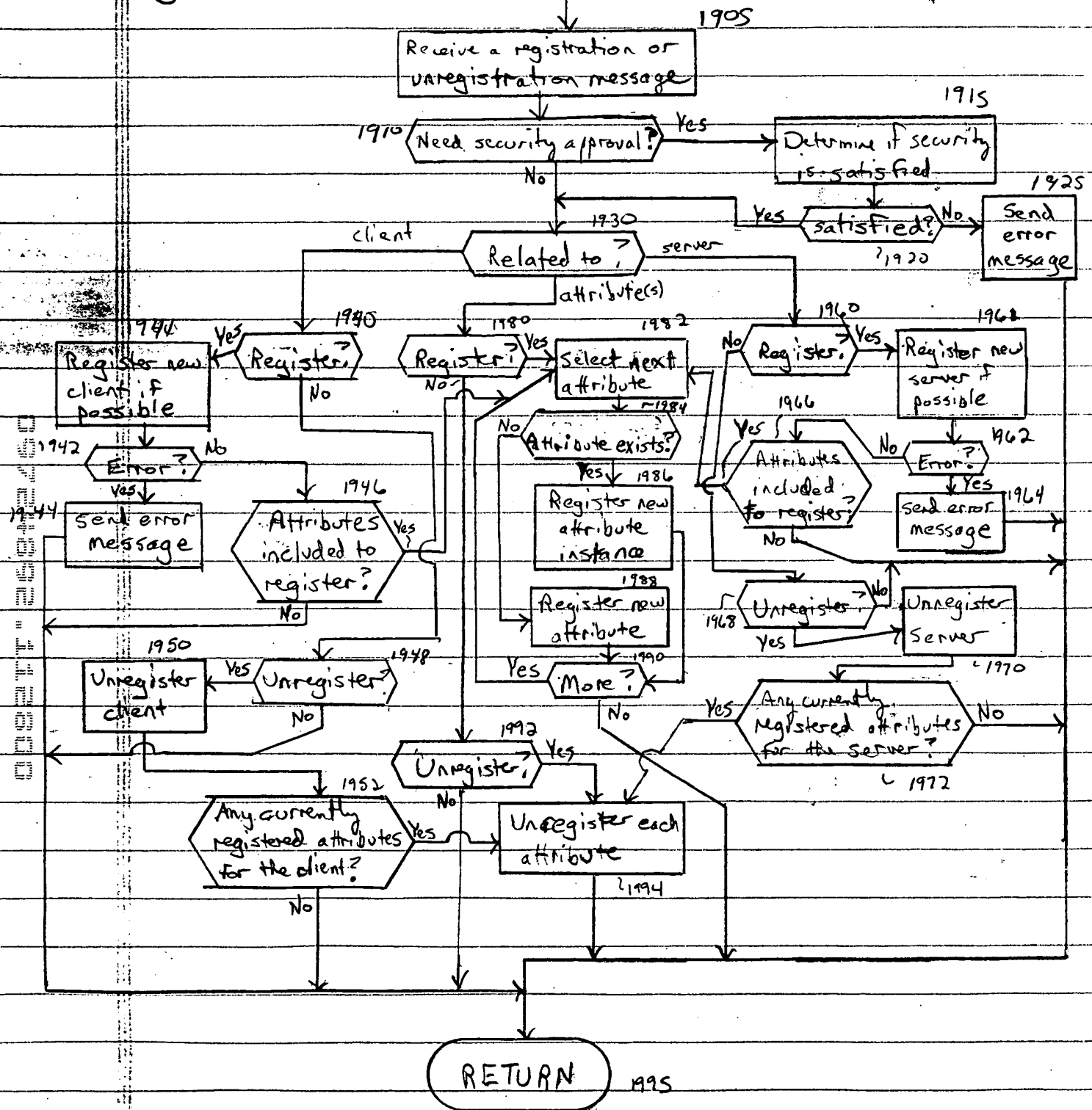


Fig. 19

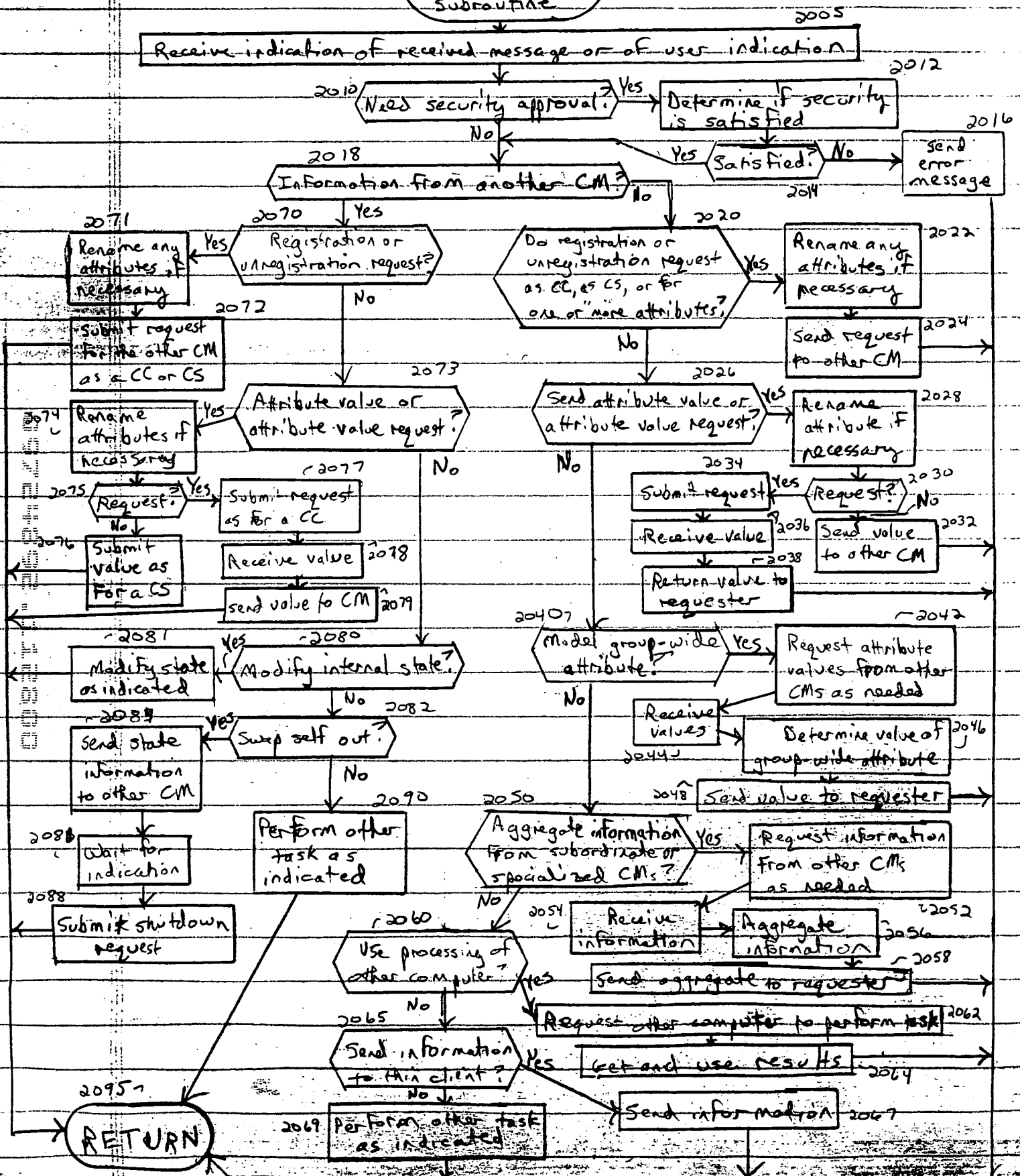
Dynamically Specify Available
Clients, Servers, & Attributes
Subroutine 1735



Process Distributed CM Message Subroutine

1765

Fig. 20



1745
Process Attribute Value
or Value Request Message
Subroutine

Fig. 21

2105

Receive indication of received
attribute value or value request

Request Value or request? Value

2150 Identify all attribute
instances matching
the request

2152 Any instances?
No
Yes

2154 Send
error
message

Select next instance

2158 Need new value?
No
Yes

2160 Pull attribute value
from server

2162 Receive value?
No
Yes

2164 Process received
attribute value

2166 More?
Yes
No

2168 Multiple values
available?
No
Yes

2170 Mediate available
values

2172 Send mediated value and
additional information
to requester

2174 Single value
available?
No
Yes

2176 Send value and
additional
information
to requester

2178 Send error
message

2195 RETURN

2120 Process received
attribute value

2122 Identify all attribute
value requests that
match the value

2124 Any requests?
No
Yes

2132 Mediate available
values

Select mediated value

2130 Multiple attribute
instance values?
No
Yes

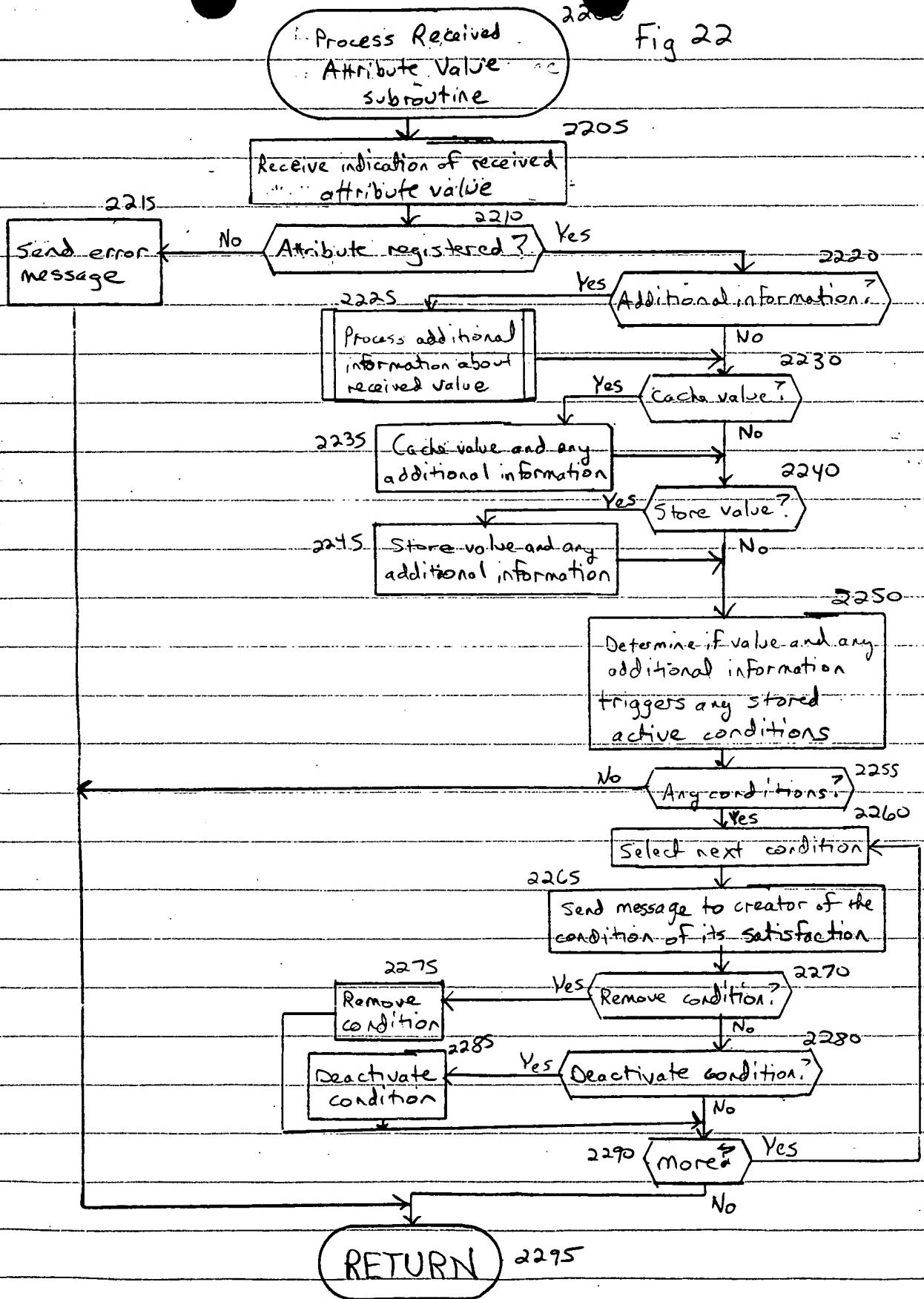
2136 Select received value

2138 Select next request

2140 Push selected attribute
value to client

2142 More?
Yes
No

Fig 22



Process Additional Information
About Received Value
Subroutine

Fig. 23

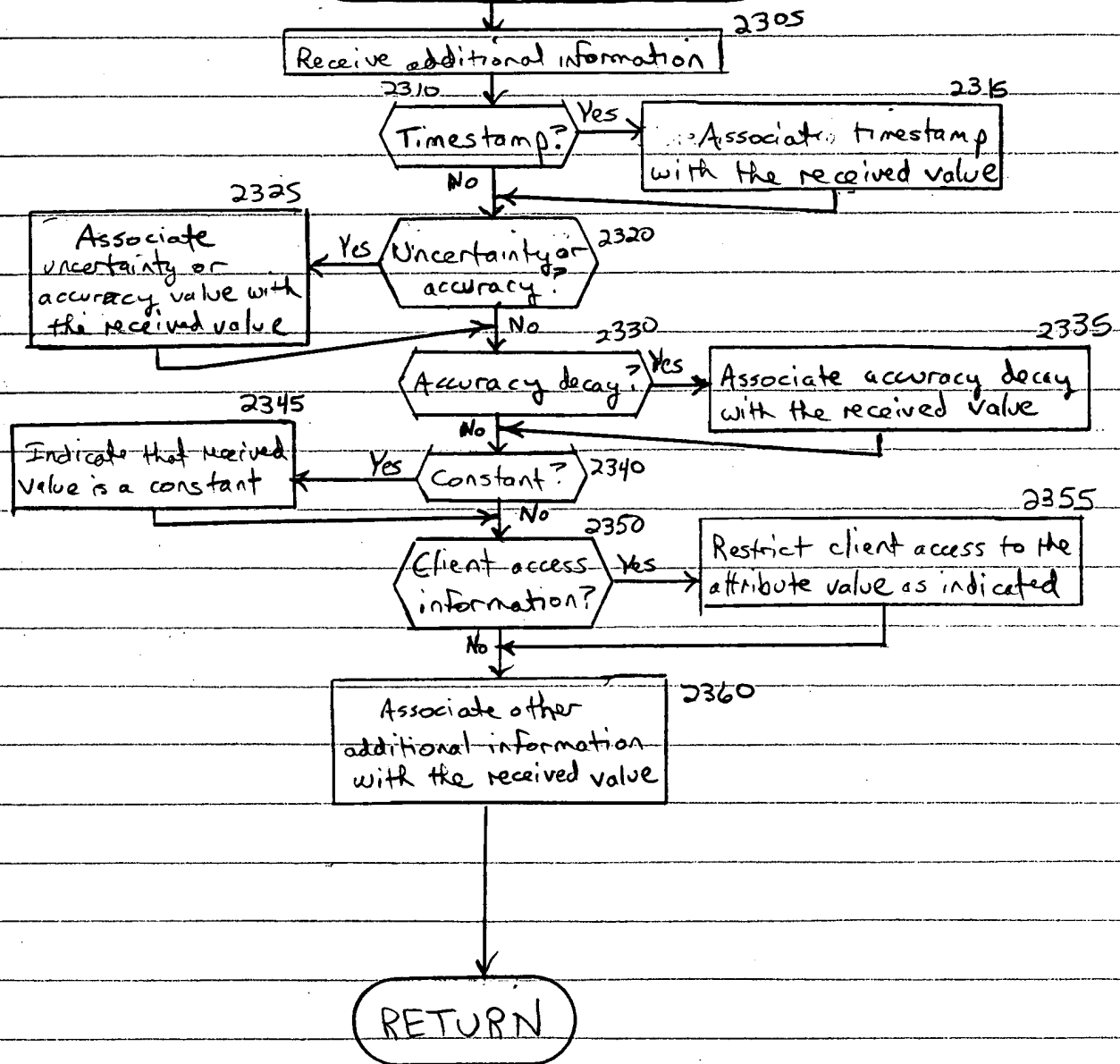
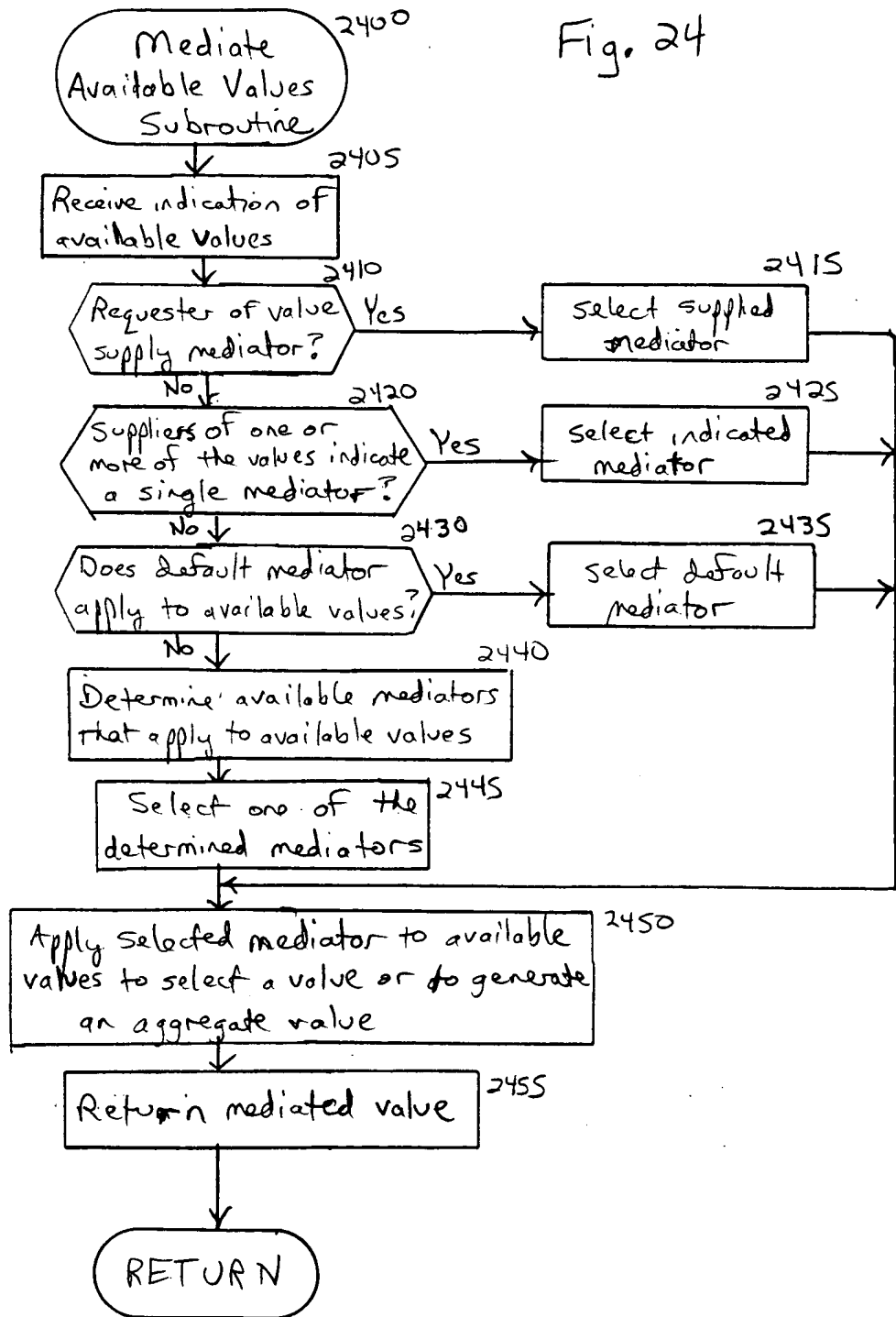


Fig. 24



2025-03-26 14:26:26

2160

2505

2515

Generate unique request ID

Yes

2520

2525

2530

2595

Fig. 26

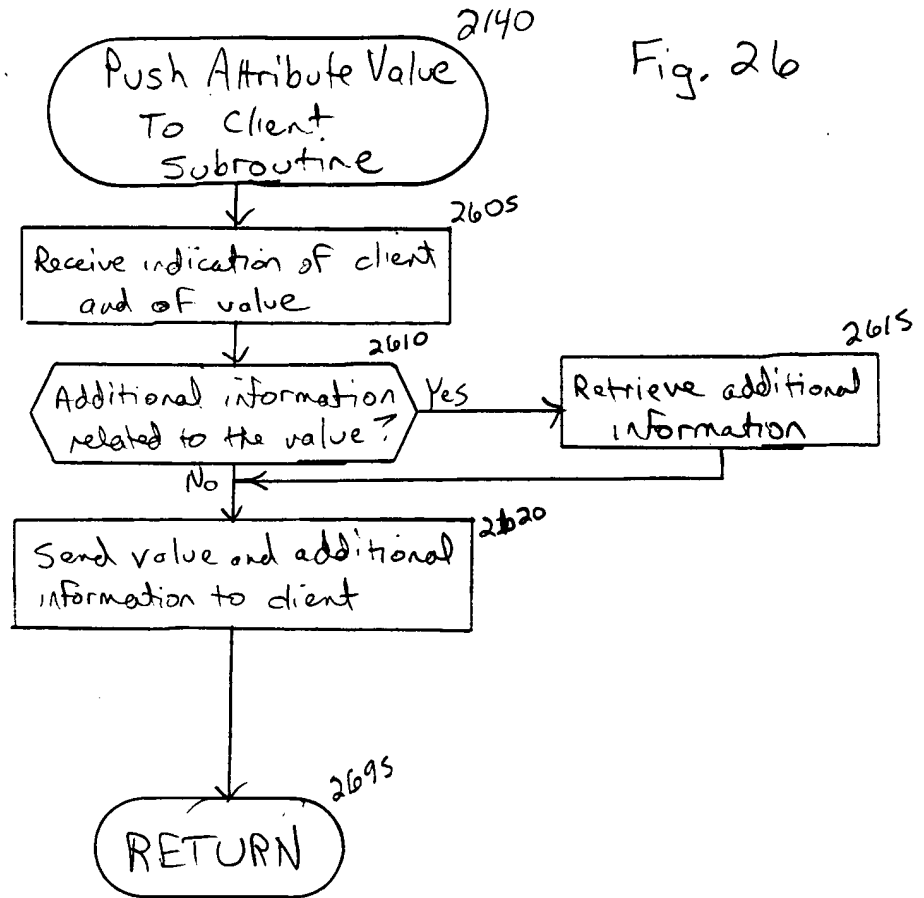
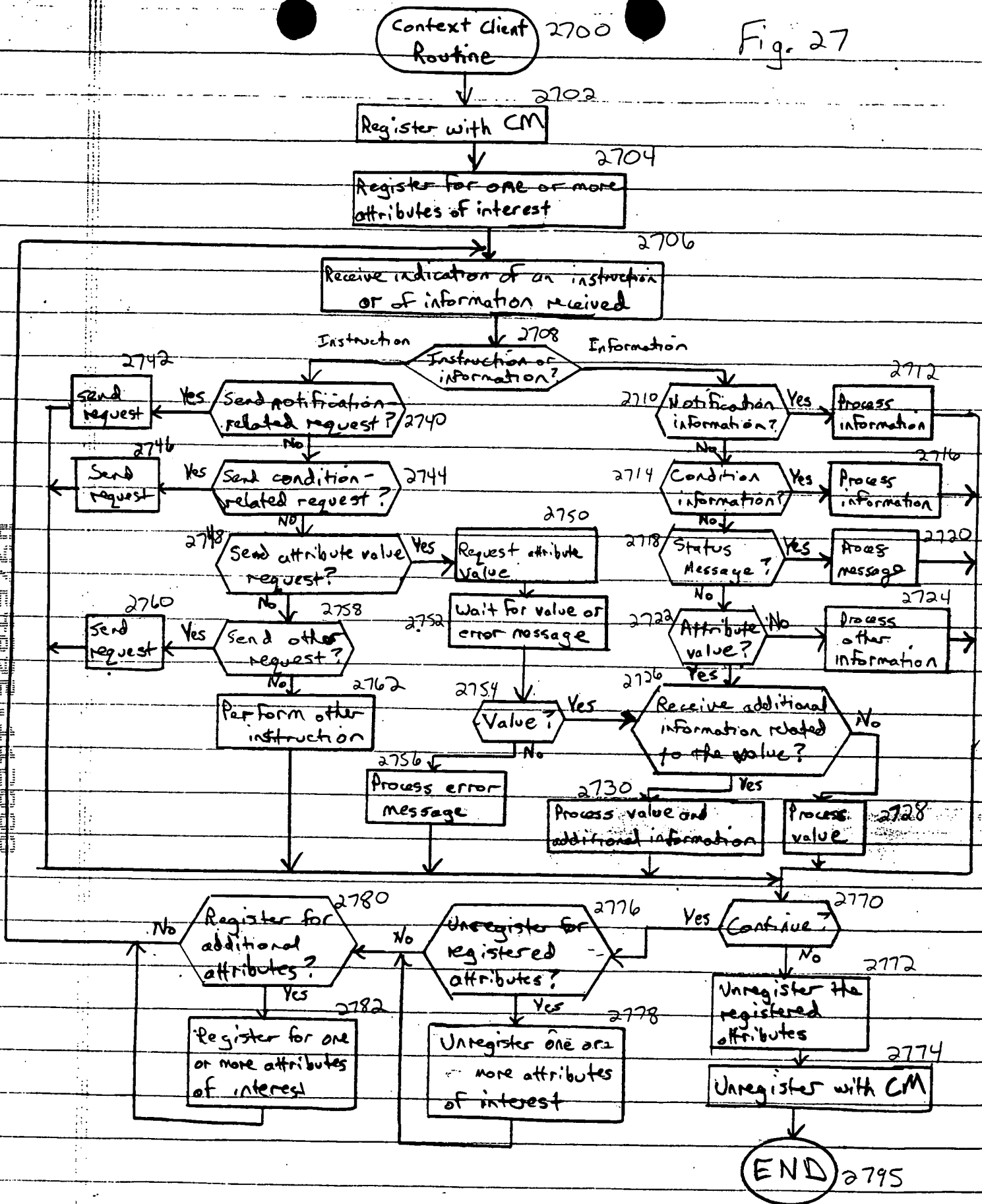


Fig. 27



Context Server Routine 2800

Fig. 28

